IN THE CLAIMS:

1. (Original) A constant velocity torque transfer device, comprising:

a first shaft;

a second shaft;

a connecting yoke for transmitting torque from said first shaft to said second shaft;

a linkage extending within said yoke between said first and second shafts, said linkage including a first member associated with said first shaft and a second member associated with said second shaft and a joint coupling said first and second members; and

a bearing assembly rotatively coupled with an inside surface of said connecting yoke, said bearing assembly having a bore offset from a rotational axis of said connecting yoke, wherein said bore houses said joint and maintains said members at a non-zero angle.

2. (Original) The device of Claim 1, wherein said linkage and said bearing assembly collectively define a centering means allowing said first and second shafts to move at equal angles relative to said connecting yoke.

3. (Original) The device of Claim 1, wherein an outside perimeter of said bearing assembly rotates about said rotational axis of said connecting yoke.

4. (Original) The device of Claim 1, wherein an entire outside perimeter of said bearing assembly is rotatively coupled with said inside surface of said connecting yoke.

5. (Original) The device of Claim 1, wherein said joint transfers rotational movement between said first and second members of said linkage.

6. (Original) The device of Claim 5, wherein said first and second members are operative to rotate within said bore while being maintained at said non-zero angle.

7. (Original) The device of Claim 1, wherein each said member includes a first end section disposed in said bore of said bearing assembly and a second end section rotatively coupled to one of said first and second shafts.

8. (Original) The device of Claim 7, wherein said second end section of each said member is aligned with a rotational axis of said one of said first and second shafts.

9. (Original) The device of Claim 8, wherein said first and second end sections comprise first and second cylindrical surfaces, respectively.

10. (Original) The device of Claim 9, wherein first and second longitudinal axes defined by said first and second cylindrical surfaces intersect and are disposed at a second non-zero angle.

11. (Original) The device of Claim 1, wherein each of said members are bent at a second non-zero angle along their length.

12. (Original) The device of Claim 11, wherein said second non-zero angle of said first and second members of said linkage are equal to one-half of said non-zero angle maintained between said first and second members.

13. (Currently Amended) The device of Claim 1, wherein said bearing assembly further comprises:

a tube bent at said non-zero angle, wherein said tube passes through said bore of said bearing ~~asembly~~assembly.

14. (Original) The device of Claim 13, wherein first and second ends of said tube form first and second sockets for receiving end sections of said first and second member.

15. (Original) The device of Claim 1, wherein said connector includes a first end physically interconnected to said first shaft via a first joint and a second end physically interconnected to said second shaft via a second joint.

16. (Original) The device of Claim 15, wherein said joint is a ring-type universal joint.

17. (Original) The device of Claim 1, wherein said first and second shafts each has an internal bore sized to receive a corresponding portion one of said first and second members of said linkage.

18. (Original) The device of Claim 17, wherein each internal bore further comprises:

bearings disposed about a perimeter of said bore.

19. (Original) The device of Claim 17, further comprising:

retainers for retaining said portion of each said member within said internal bore.

20. (Original) A constant velocity torque transfer device, comprising:

a first yoke attachable to a first shaft;

a second yoke attachable to a second shaft;

a connecting yoke for transmitting torque from said first yoke to said second yoke;

a linkage extending within said connecting yoke between said first and second yokes, said linkage including a first section associated with said first yoke and a second section associated with said second yoke and a joint coupling adjacent of said first section and said second section at a first non-zero angle; and

a centering tube for housing said joint, wherein at least a portion of an outside perimeter of said centering tube is rotatively coupled to an inside surface of said connecting yoke and wherein said centering tube and said linkage allow said first and second yokes to move at equal angles relative to said connecting yoke.

21. (Original) The device of Claim 20, wherein an entire outside perimeter of said centering tube is rotatively coupled with said inside surface of said connecting yoke.

22. (Currently Amended) The device of Claim 20, wherein said centering tube is bent at ~~said~~ a first non-zero angle.

23. (Original) The device of Claim 22, wherein said first and second sections of said linkage comprise first and second connecting rods extending between said centering tube and said first and second shafts, respectively.

24. (Original) The device of Claim 23, wherein a first end each of said first and second connecting rods is rotatively received within one end of said centering tube.

25. (Original) The device of Claim 24, wherein a second end of each of said first and second connecting rods is rotatively received within a bore of said first and second shafts, respectively.

26. (Original) The device of Claim 24, wherein each said connecting rod is bent at a second non-zero angle between said first and second ends.

27. (Original) The device of Claim 26, wherein said second non-zero angle is equal one-half of said first non-zero angle.

28. (Currently Amended) The device of Claim 27, wherein said first non-zero angle is between about 1° and about 20°.

29. (Original) The device of Claim 20, wherein said centering tube further comprises:

a lobe sized for receipt within a central bore of said connecting yoke.

30. (Original) The device of Claim 29, wherein said tube passes through said lobe.

31. (Original) The device of Claim 29, wherein said lobe is circular.

32. (Original) The device of Claim 30, wherein said tube passes through said circular lobe at a point offset from the center of said circular lobe.

33. (Currently Amended) A ~~centering device for use in a~~ constant velocity torque transfer device, comprising:

a first shaft;

a second shaft;

a connecting yoke rotatively connecting said first and second shafts;

a tube bent at an angle between first and second ends;

a lobe disposed on an outside surface of said bent tube and sized for receipt within a central bore of ~~a~~ said connecting yoke ~~that transfers rotary motion from a ifirst shaft to a second shaft, said lobe for rotatively coupling~~, wherein said lobe rotatively couples said tube with an inside surface of said connecting yoke;

first and second linkage members, wherein each said linkage member comprises a first end rotatively received within an end of said bent tube and a second end adapted for receipt within one of said first and second shafts; and

a joint connecting said first and second linkage members within said bent tube.

34. (Original) The device of Claim 33, wherein said bent tube and said lobe are integrally formed.

35. (Original) The device of Claim 33, wherein said lobe is circular and wherein an outside perimeter of said circular lobe is adapted for receipt within a bearing.

36. (Original) The device of Claim 35, wherein said tube passed through said circular lobe at a point offset from a rotational axis of said circular lobe.

37. (Original) The device of Claim 33, wherein said bent tube maintains said first ends of said members at a non-zero angle relative to one another.

38. (Original) The device of Claim 33, wherein said joint is operative to transmit rotary motion between said first and second members.

39. (Original) The device of Claim 33, wherein said first and second linkage members are each bent at an angle between their first and second ends.

40. (Original) The device of Claim 39, wherein said first and second linkage members are bent at an angle one-half the angle of said tube.

41-42. Cancelled.